



Phone 563.556.8392
Toll-free 800.678.6565
Fax 563.556.5321
4131 Westmark Drive
Dubuque, IA 52002-2627
www.eaglepoint.com

Eagle Point Solution to a Frequently Asked Question

How to Calculate Storage Volume

Summary:

This document explains the process of calculating the total storage volume at a specified elevation.

Product: Eagle Point Software™ 2002

Release: 2002 Q4 or 2.4.0 and greater

Platform: All

Related documents:

The tips, solutions and suggestions contained in Eagle Point Solution Papers, any Eagle Point Technical Assistance Document or given by an Eagle Point Technical Assistance Representative are suggested for use at your own risk. Document contents are subject to change without notice. No warranty of any kind, expressed or implied, is made with respect to such tips, solutions, and suggestions except as may be expressly stated in the licensing agreement or other contractual document, including, without limitation, any warranty of merchantability of fitness for a particular purpose. In no event is Eagle Point Software Corporation liable for incidental or consequential damages in connection with or arising out of the use of such tips, solutions and suggestions.

AutoCAD is a registered trademark of Autodesk, Inc. MicroStation is a registered trademark of Bentley Systems, Inc. All other product names are trademarks of their respective holders.

As always, should you have any questions regarding any phase of installation, contact Eagle Point Technical Assistance at (800) 477-0909.

Notation Method

Button to Press	<i>Displayed Text</i>	Icon	Action	{Text to Enter}	Menu Item...
-----------------	-----------------------	------	--------	-----------------	--------------

Draw a Boundary Around the Volume Calculation Area

1. In AutoCAD, click on the **Layer Manager Icon**.
2. Set the *1.Brdr* layer to current.
3. Click **OK** close out of Layer Manager.
4. Click **Polyline** and draw a border that will represent an outer limit for the volume calculation area. Typically this would extend downstream to the dam and upstream around the entire contours. To close the line cleanly, type {C} and press Enter.

Calculating a Storage Volume at a Defined Elevation

1. From AutoCAD, click *NRCS/EP... Volumes... Calculate Prismatical....*
2. Pulldown original surface model to the desired name. E.g. {Ognd} or {Basin}.
3. Below Final Surface Model. Checkmark Use Constant Elevation.
4. Input the defined elevation. E.g. {1127.5}.
5. Checkmark Use Boundary.
6. Click **Apply**.
7. Select the boundary.
8. Pull down the volume unit to switch to Cu Ft, Ac Ft, or Cu Yd.
9. Click the **Printer Icon** to print.
10. When done click **Close**. Click **Close**.

Submitted by Norman Friedrich.